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Investigation of endurance of ...

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where f is the xibration frequency per sec, E the modulus of elasticity (kg/mm), J the moment of inertia (mm<sup>4</sup>), and m mass per unit length (kg.sec<sup>2</sup>/mm<sup>2</sup>). The tests were conducted on a base N = 100 cycles in the case of the EI617 and ZhS6K alloys, and 10<sup>7</sup> and 10 cycles in the case of the VT3-1 alloy. Each fatigue curve was constructed from data obtained on eight test pieces. In the first test of each series a stress equal approximately to 0.5 g was used, where g is the U.T.S. of the alloy tested; in each subsequent test the applied stress was lowered by 2 kg/mm<sup>2</sup>. The vibration amplitude, A (mm), of the free end of the test piece, required to produce a given stress, was calculated from the formula

 $A = 0.5682 \frac{e^2}{Ed} \sigma,$ 

where  $\ell$  and d are the length and diameter of the specimen, respectively, E the modulus of elasticity (kg/mm²), and  $\sigma$  the applied stress (kg/mm²). The results are reproduced in Figs.10-13, where the stress  $\sigma$  (kg/mm²) is plotted against the number of cycles to fracture. The fatigue curves in Fig.10 relate to alloy EI617, tested at 20°C under the following conditions:(1) testing Card 3/9

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Investigation of endurance of ... \$/535/60/000/129/005/006 E193/E580

machine of the \(\Gamma\) M\(\text{(GZIP)}\) type (bending of the revolving specimen), load frequency f = 50 cycles/sec; (2) testing machine of the  $\Pi - 39$ (P-391) type (bending of a revolving specimen), f = 200 cycles/sec. (3) testing machine VIU-1 MAI-VIAm (single plane bending). f = 1000 cycles/sec. The fatigue curves in Fig.11 relate to alloy ZhS6K tested at 20°C, the testing conditions for curves 1-3 being the same as in Fig.10. The results, reproduced in Fig.12 relate to alloy VT3-1 tested under the following conditions: curve 1 - testing machine VIU-1 MAI-VIAM, f = 1100 cycles/sec, t = 20°C; curve 2 - same as for curve 1, except f = 420 cycles/sec; curve 3 - testing machine GZIP, f = 50 cycles/sec, t = 20°C; curve 4 - testing machine VIU-1 MAI-VIAM, f = 420 cycles/sec, t = 400°C. Fig.13 shows the fatigue curves of the VT3-1 alloy, tested at 20°C on the VIU-1 MAI-VIAM machine, curves 1-3 relating to tests carried out at f = 450, 1100 and 1650 cycles/sec, respectively; these are the most significant results of the present investigation, showing that the endurance limit of the alloys studied increased with increasing load frequency. Metallographic examination of the fatigue test pieces in the region of fracture revealed no changes in the microstructure Card 4/9

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Investigation of endurance of ...

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due to increased loading frequency. The fatigue cracks were trans-crystalline, and only in the zone of final fracture were intergranular cracking and some degree of plastic deformation of the grains observed. It was concluded that both the equipment used and the method employed by the present authors are suitable for fatigue testing under high frequency loading and give reliable results which can be used as design data in the production of turbine and compressor blades, operating under high frequency loads. There are 15 figures, 5 tables and 6 references: 1 Soviet and 5 English. The English-language references read as follows: Lomas T., Ward I., Rait, I., Colbeck E., International Conference on Fatigue of Metals, London, Sept., 1956; Krouse G., Proc. ASTM, 34, 1934, II, 156; Jenkin C. and Lehman G., Proc. Roy. Soc., 125, 1929, 83; Wade A and Grootenhuis P., International Conference on Fatigue of Metals, London, Sept., 1956.

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| L 07811-67 ENT(1)/EWT(m)/ENP(w)/ENP(t)/ETI IJP(c) JD/WW/EM   |  |
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| ACC NR: AR6017495 SOURCE CODE: UR/0137/66/000/001/1082/1082  |  |
| AUTHOR: Zhukov, S. A.; Shadskiy, I. A.; Zhukov, N.   |  |
| TITLE: Durability of some alloys at high frequencies   |  |
| SOURCE: Ref. zh. Metallurgiya, Abs. 11559  |  |
| REF SOURCE: Tr. Kuybyshevsk. aviats. in-t, vyp. 19, 1965, 399-404  |  |
| TOPIC TAGS: alloy steel, durability, vibration test  |  |
| ABSTRACT: The authors studied the effect of variable high-frequency loads on the vibration strength of scoop materials (SAP, VT3-1, E1961 and E1617). Fatigue tests were done on an installation of the resonance type with an electromagnetic system for excitation of oscillations from 200 to 2400 cps. Thermal conditions were varied during testing from room temperature to 550°C. It was found that increasing the load frequency increases of for all materials studied. VT3-1 alloy showed the greatest |  |
| increase in on. V. Ivanova. [Translation of abstract]  |  |
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PHASE I BOOK EXPLOITATION

SOV/1467

Shadskiy, Pavel Ivanovich

Sovetskaya aviatsiya v boyakh za Rodinu (Soviet Aviation in Battles for the Motherland) Moscow, Izd-vo DOSAAF, 1958. 86 p. 17,000 copies printed.

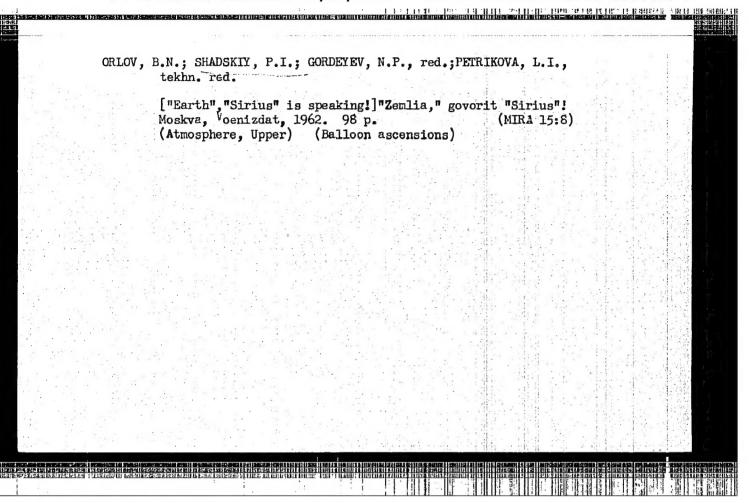
Ed.: A.A. Vasil'yev; Tech. Ed.: V.N. Gerasimova.

PURPOSE: This book is intended for the general reader.

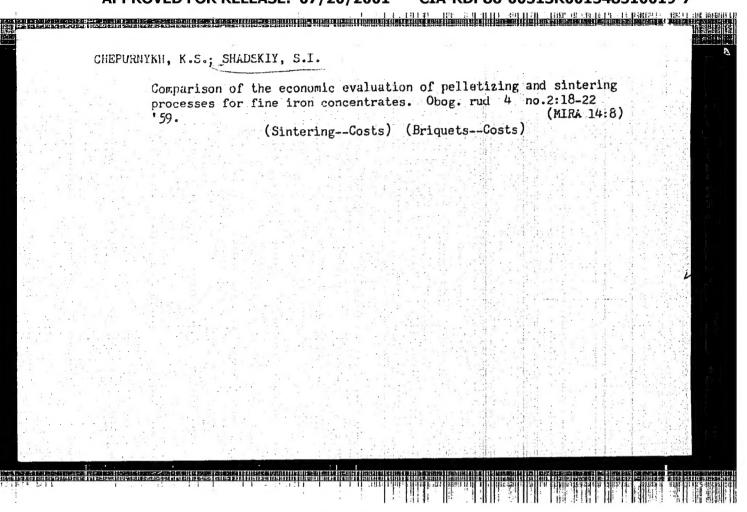
COVERAGE: After a brief discussion of Markism and Leninism, the book presents a summary of the history of Russian aviation since the time of the First World War. Comparisons with German and U.S. accomplishments are drawn. The role of aviation in the battles of the last wars is described and the achievements of the various five-year plans in industry are praised. The last chapter reports the various five-year plans in industry are praised. The last chapter reports on the development of the "Tu-104". "Tu-104 A", and "Tu-110" jet planes and gives some data on them. A great number of aircraft designers and pilots are mentioned by name. There are no references and no figures.

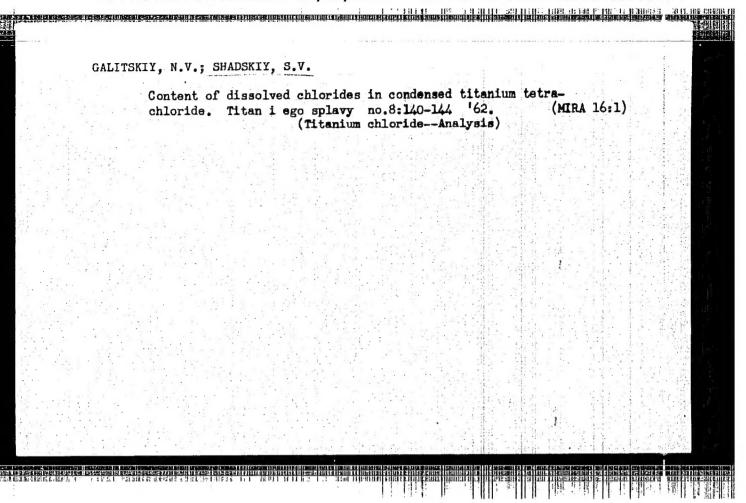
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| Soviet Avis                | tion in the Second World War  |                                       |  | 40         |
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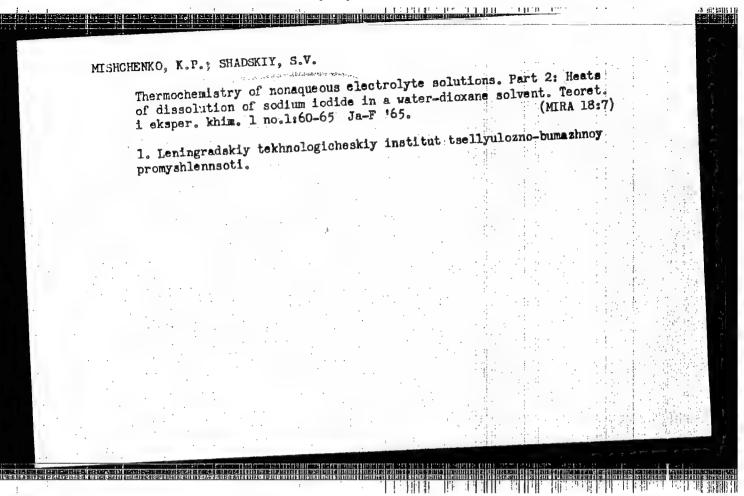




SHADSKIY, S.V.; MISHCHENKO, K.P.

Dielectric constant of organic solvents and the thermodynamic properties of sodium iodide solutions in water, methanol, acetone, and in a mixed dioxane-water solvent. Dokl. AN SSSR 158 no.5:1180-1182 0 '64. (MIRA 17:10)

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MESTERENKO, V. B.; SHADSKIY, V. M.

"The modelling method on transient thermal processes in gas-cooled reactors on the analogue computers."

report submitted for 3rd Intl Conf, Peaceful Uses of Atomic Energy, Geneva, 31 Aug-9 Sep 64.

L 01h62-66 ENT(m)/EPF(c)/EPF(n)-2/ENG(m) ACCESSION NR: AP5014736 UR/0201/65/000/001/0038/0043 **AUTHORS:** Nesterenko, V. B.; Shadskiy, V. M TITLE: Simulation of nonstationary thermal processes in gas cooled power reactors with analog computers SOURCE: AN BSSR. Izvestiya. Seriya fiziko-tekhnicheskikh nauk, no. 1, 1965, 38-43 TOPIC TAGS: nuclear power reactor, gas cooled reactor, reactor control, control simulator, analog computer ABSTRACT: The described simulation method is based on transformation of the partial differential equations in three variables, which describe the processes in the reactor, into ordinary nonlinear differential equations which can be handled by standard analog computers. The latter are preferred for the development of automatic control systems or for the investigation of the emergency and start-

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ACCESSION NR: AP5014736

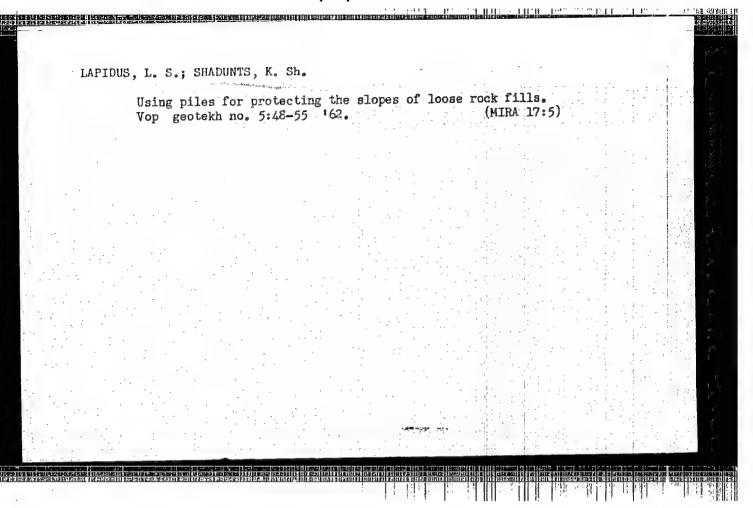
ing conditions of atomic power installations because they can be readily integrated in the control system and they do not require laborious and expensive programming. The transformation is based on an approximation in which the rated heat-transfer scheme is represented by an integral values of the fuel-element and gas temperature averaged over the cross section. The various approximations and assumptions are discussed and the integral quantities, obtained in the form of a series, are written out for one and two terms in the expansion. The simulation of the nonstationary conditions of a nitrogen-cooled 50-MW reactor by means of a type MNB-1 computer is briefly described and the resultant plots of the outlet gas temperature and of the neutron flux, following changes in temperature, gas flow, and reactivity, are presented. The results agreed within 3--4% with calculations by a finite-difference method, and made it possible to get along with fewer differential equations (5 vs. 8). The method is recommended for the study of the characteristics of the warm-up, starting, power-change, and emergency shutdown of the

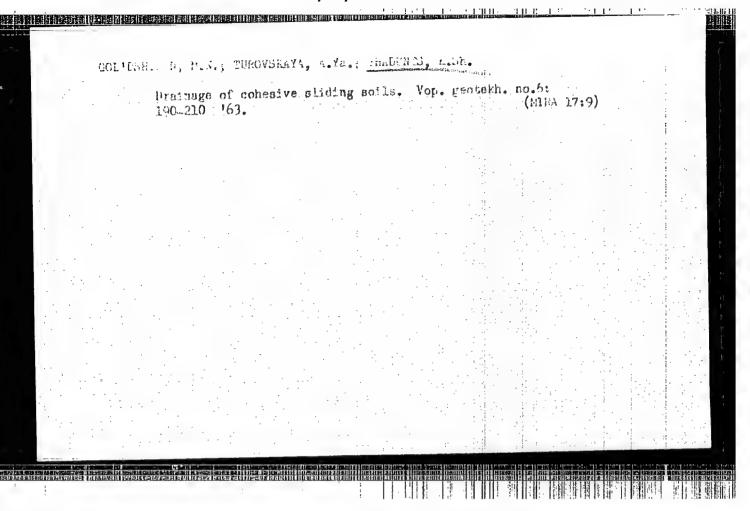
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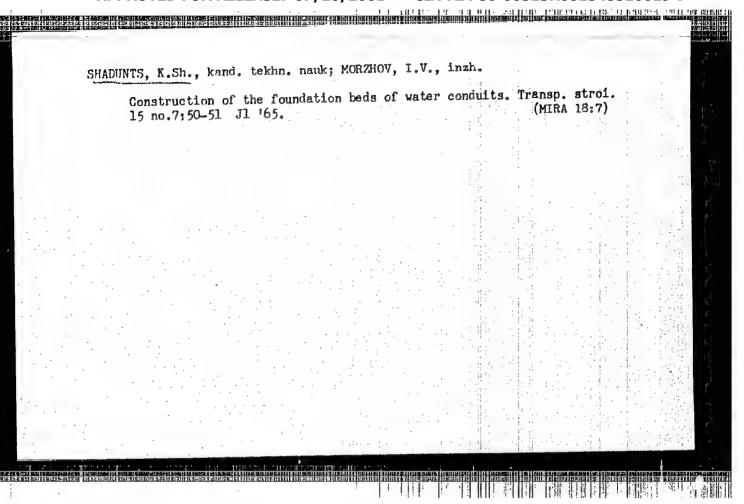
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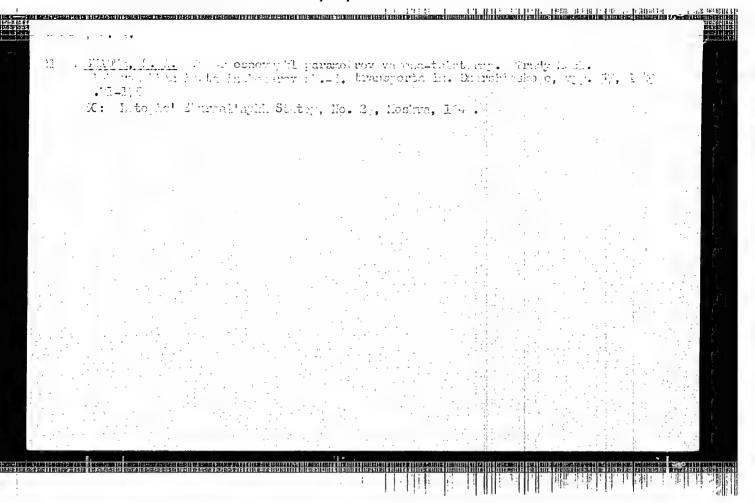
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|   | of type MNB-1 analog computers to solve nuclear power  |  |
|   | zhenerno-fizicheskiy zhurnal, v. 8, no. 1, 1965, 110 11  | こうさん しょうきょう はっとしてきなりますし                                      |
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KAZIMIROV, K.V., inzhener; SHADUR, L.A., kandidat tekhnicheskikh nauk, redaktor; DROMDIN, K.A., inzhener, redaktor; KHITROV, P.A., tekhnicheskiy redektor

[Tank cars; design, repair and operation] Vagony-tsisterny; matroistvo, remont i ekspluatatsiia. 2-e isprav. 1 dop. lizd. Moskva, Gos. transportnoe zhel.-dor. izd-vo, 1950. 215 p. (MERA 8:6)

(Tank cars)

#### "APPROVED FOR RELEASE: 07/20/2001

#### CIA-RDP86-00513R001548510019-7

SHADUR, Hid

124-11-13475

Translation from: Referativnyy Zhurnal, Mekhanika, 1957, Nr. 11, p 162 (USSR)

Shadur, L.A. AUTHOR:

Calculation Methods for Cast Freight-Car Truck Frames (K voprosu TITLE:

o metodakh rascheta litoy bokoviny telezhki gruzovogo vagona)

Tr. Mosk. elektromekh. in-ta inzh. zh.-d. transporta, 1953, PERIODICAL:

Nr 62, pp 162-189

The Author offers a survey of calculation methods for freight-car ABSTRACT: trucks as statically indeterminate structures. In order to clarify the

effects of the shear and tensile (and compressive) deformations, four variants are examined and consideration is given to: (1) Flexure, shear,

and tension or compression; (2) Shear and tension (or compression) alone; (3) Either flexure or shear alone; (4) Flexure alone.

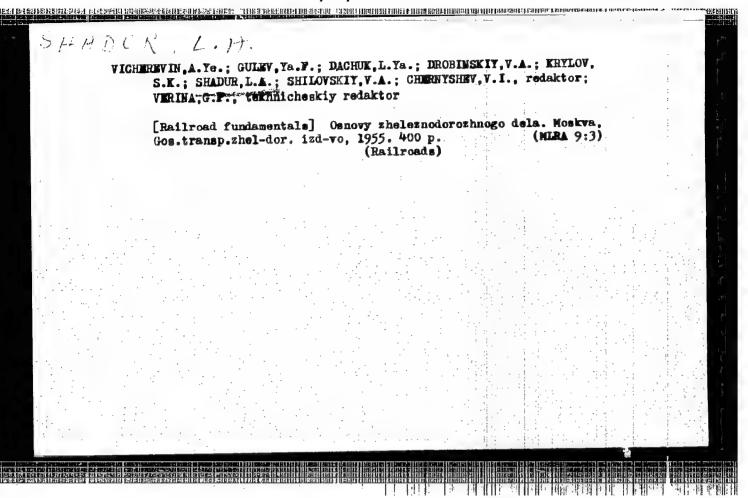
The calculated stresses are compared with the results of tests performed on a test stand with a truck; Variant (2) affords the best

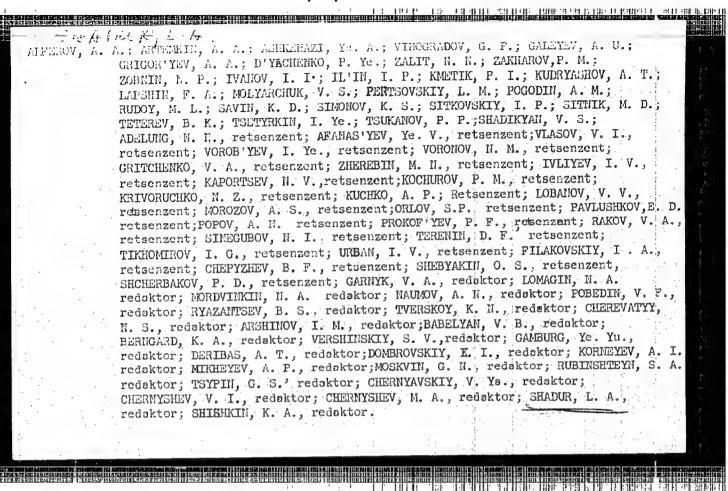
approximation; Variant (1) is somewhat worse (up to 10 per cent);

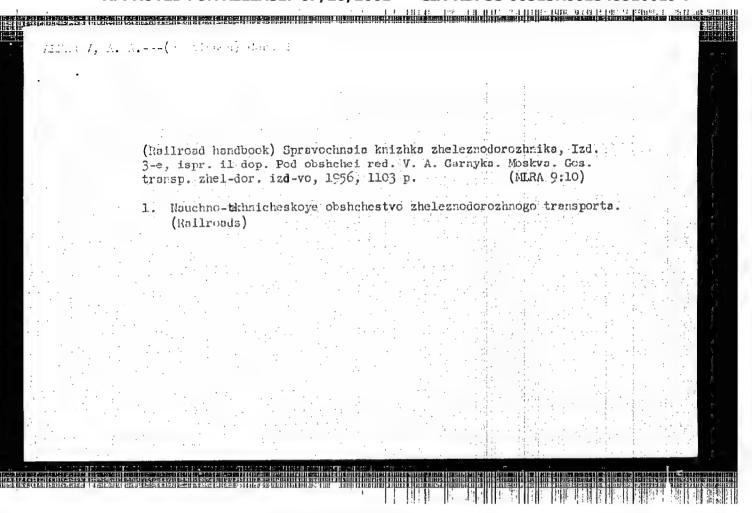
Variant (3) is worse yet (up to 25 per cent).

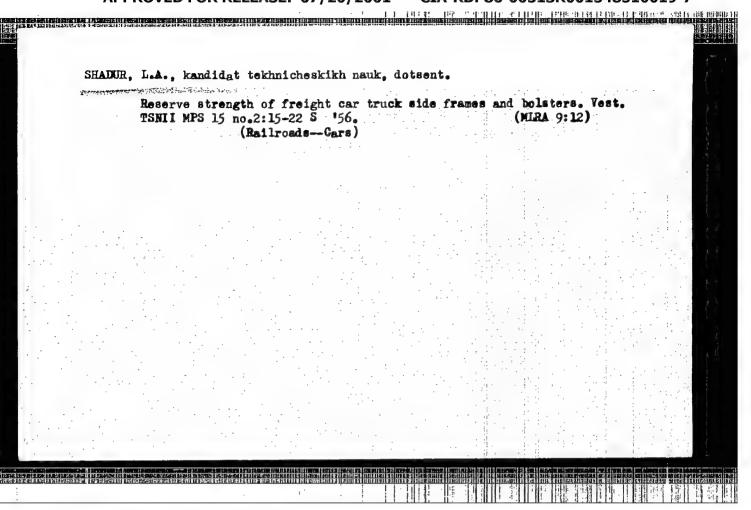
(N. P. Kashparova)

Card 1/1









SHADUR, L. A. Doc Tech Sci — (diss) "concerning the ways of reduction of the weight of rail my cars and no sibilities of on the bosts of perfect of improfitured the study methods of their durability." Mos. 1957. 26 pp 13.1/2 ays

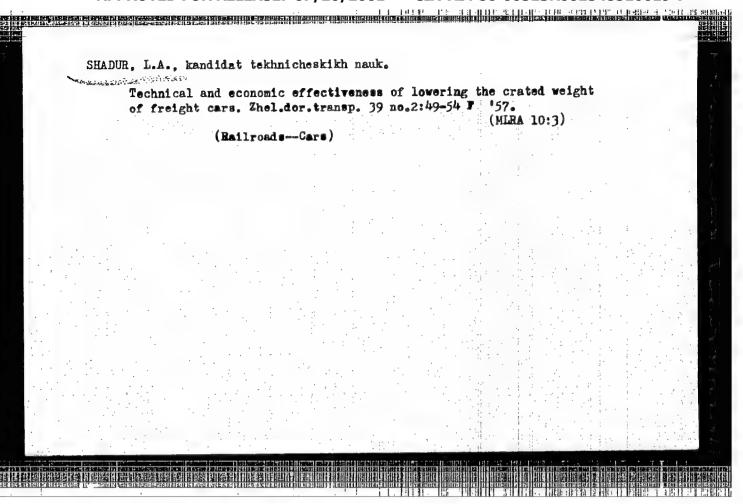
20 cm. (Min of Communications USSR. Moscow Order of Lenin and Labor ked Banner Inst of Engineers of Railway Transport im

T. V. Stalin), 120 copies

(KL, 21-57, 101)

POPOV. Aleksey Aleksandrovich; SHADUR, Leonid Abramovich; NEVZOROVA,
Nadezhda Nikiforovne; VERSHIBBETT, Stage and Mikiforovne; VERSHIBBETT, Stage and Mikiforovne; VERSHIBBETT, Stage and Mikiforovne; VERSHIBBETT, Stage and Mikiforovne; VERSHIBBETT, Stage and Ways of decreasing their weight.] Issledovanie prochnosti ramy teleshki gruzovykh vagonov i puti snizhenila ev vesa. Moskva,
Gos. transp. shel-dor.izd-vo, 1957. 263 p. (Moscow, Veseciuznyi nauchno-issledovatel'skii institut shelesnodorshnogo transporta.
Trudy, no. 139).

(Railroads--Freight cars)



SOV/124-58-5-6081

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 5, p 152 (USSR)

AUTHOR: Shadur, L.A.

TITLE: Stressed Condition of the Lateral Frame of a Railroad-car

Truck Under the Action of Braking Loads (Napryazhennoye sostoyaniye bokovoy ramy telezhki ot deystviya tormoznykh

nagruzok)

PERIODICAL: Tr. Mosk. in-ta inzh. zh.-d. transp., 1957, Nr 99, pp 3-28

ABSTRACT: Bibliographic entry

1. Railroad cars--Equipment

2. Railroad cars--Stresses

Card 1/1

SOV/124-58-5-6082

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 5, p 152 (USSR)

AUTHOR: Shadur, L.A.

TITLE: Investigation of the Stressed Condition of a Spring-supported

Beam of a Railroad car Truck (Issledovaniye napryazhennogo

sostoyaniya nadressornoy balki telezhki)

PERIODICAL: Tr. Mosk. in-ta inzh. zh.-d. transp., 1957, Nr 99, pp 29-40

ABSTRACT: Bibliographic entry

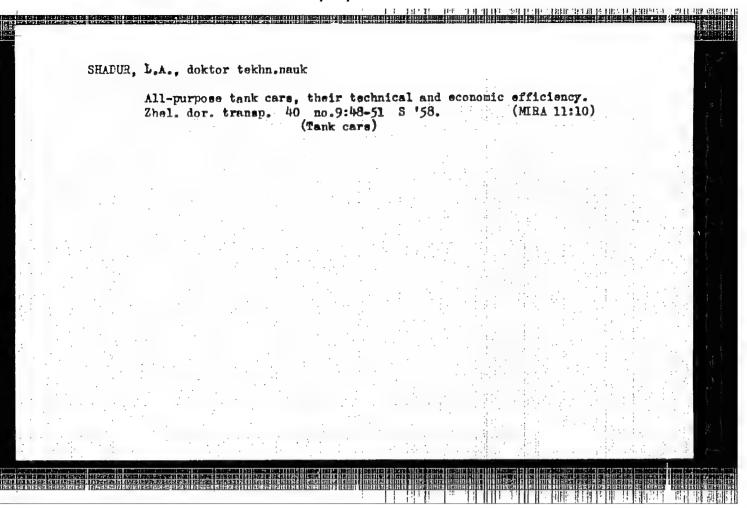
1. Railroad cars--Equipment

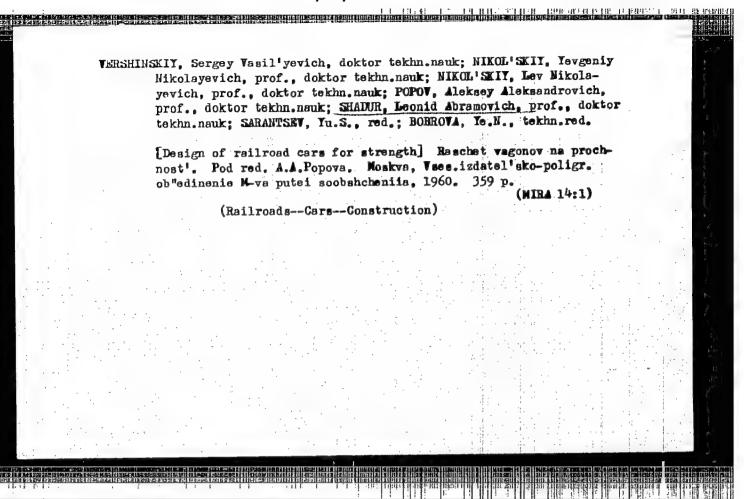
2. Beams--Stresses

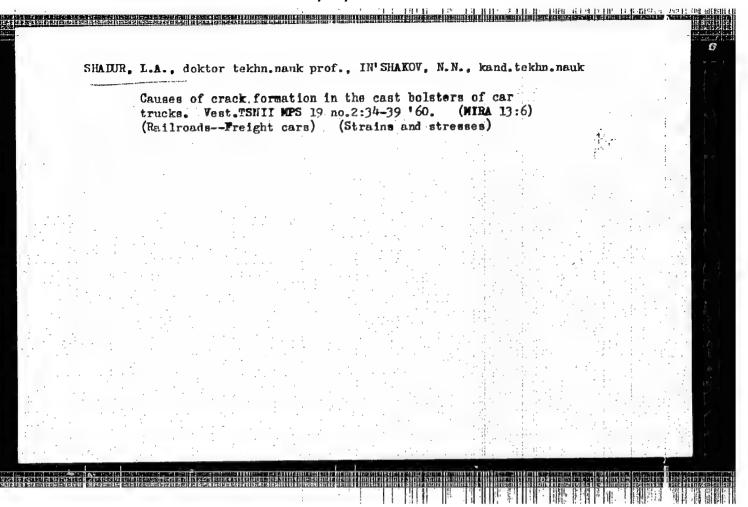
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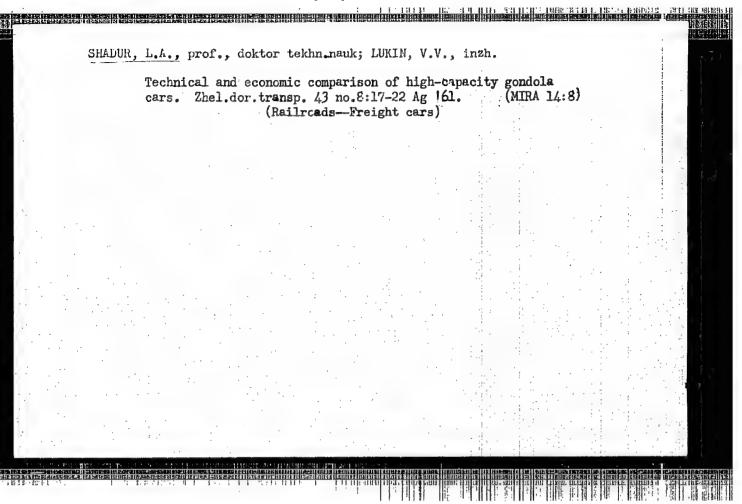
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(BEVO, 8-58,23)



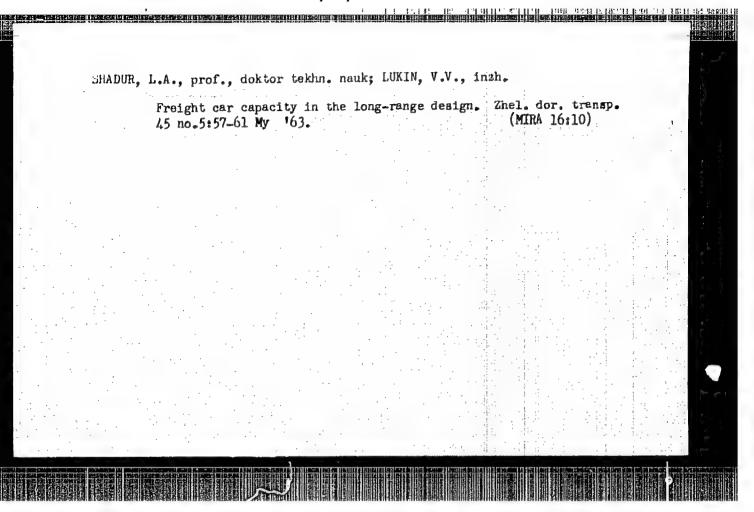






SHADUR, Leonid Abramovich, doktor tekhn. nauk, prof.; CHEINOKOV, Ivan Ivanovich, doktor tekhn. nauk, prof.; NIKOL'SKIY, Lev Nikolayevich, doktor tekhn. nauk, prof.; KAZANSKIY, Georgiy Alekseyevich, kand. tekhn.nauk; KOGAN, Liber Ayzikovich, kand. tekhn. nauk; DEVYATKOV, Vladimir Fedorovich, kand. tekhn. nauk; CHIRKIN, Viktor Vasil'yevich, kand. tekhn. nauk; MORDVINKIN, N.A., inzh., retsenzent; BRAYLOVSKIY, N.G., red.; MEDVEDEVA, M.A., tekhn. red.

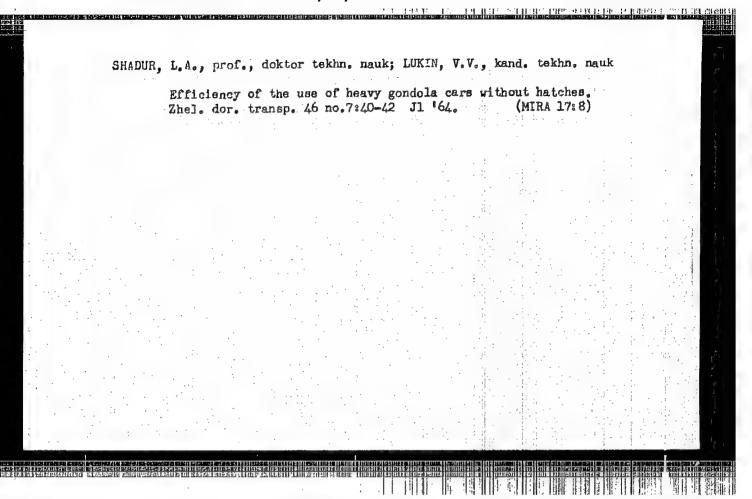
[Designs of railroad cars] Konstruktsii vagonov. Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va putei soobshcheniia, 1962. 415 p. (MIRA 15:4) (Railroads--Cars--Design and construction)

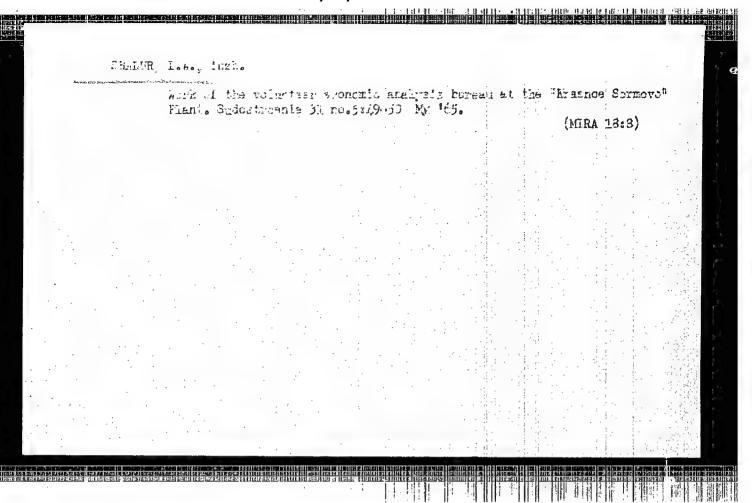


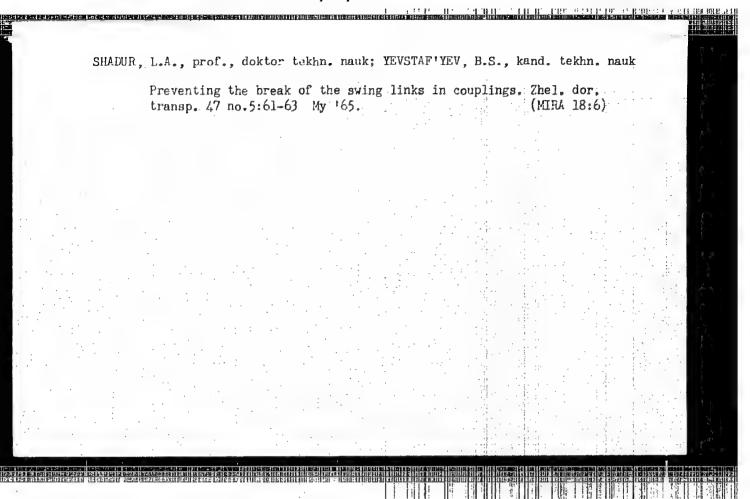
DOLMATOV, A.A., kand. tekhn. nauk; KUDRYAVTSEV, N.N., kand. tekhn. nauk; SHADUR, L.A., doktor tekhn. nauk, retsenzent; POPOV, A.V.:inzh., red.; VASIL'YEVA, N.N., tekhn. red.

[Dynamics and strength of four-exle railroad tank cars.]
Dinamika i prochnost' chetyrekhosnykh zheleznodorozhnykh taistern. Moskva, Transzheldorizdat, 1963. 122p. (Moscow. Vsesoiuznyi nauchno-issledovatel'skiii institut zheleznodorozhnogo transporta. Trudy, no.263).

(MIRA 16:11)







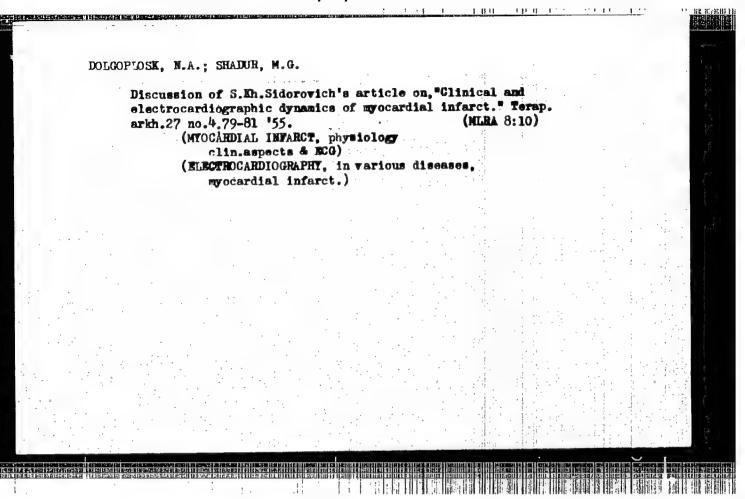
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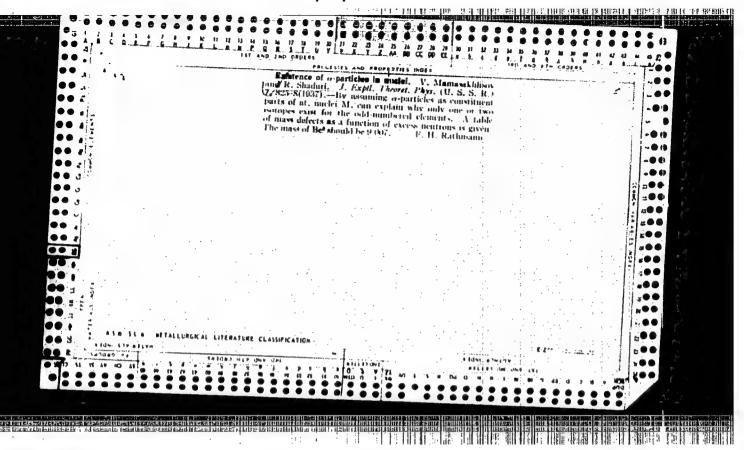
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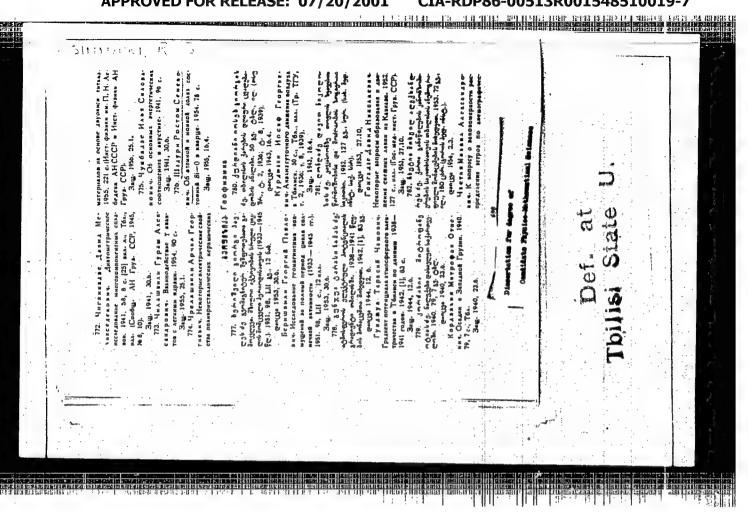
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| Shadur, Leonid Abramovich (Doctor of Technical Sciences, Professor); Chelnikov, Ivan Ivanovich (Doctor of Technical Sciences, Professor); Nikol'skiy, Lev Nikolayevich (Doctor of Technical Sciences, Professor), Nikol'skiy, YEvgeniy Nikolayevich (Doctor of Technical Sciences, Professor); Proskurnev, Petr Grigor'yevich (Candidate of Technical nical Sciences, Docent); Kazanskiy, Georgiy Alekseyevich (Candidate of Technical Sciences); Devyatkov, Vladimir Fedorovich (Candidate of Technical Sciences) |      |
| Railroad cars; construction, theory, and design (Vagony; konstructsiya, teoriya raschet) Moscow, Izd-vo "Transport", 1965. 439 p. illus., biblio. 8,000 copies raschet) Moscow, for railroad transportation institutes.  |      |
| TOPIC TAGS: railway equipment, railway rolling stock, railway transportation, railway vehicle data  PURPOSE AND COVERAGE: The book deals with the construction, strength calculations,   |      |
| dynamics, choice of technical economic patriction, theory, calculation) for is intended for courses on "Railroad Cars" (construction and Railroad Car Management" of those specializing in "Railroad Car Construction and Railroad Car Management" of higher technical institutes for railway transport. It is designed to be a basic course for further specialization is special-purpose cars such as refrigerator cars, course for further specialization is special-purpose cars such as refrigerator of rail- |      |
| road cars, and other specialties. It is designed ary information on car construction and car strength.  UDC: 625/23/.24  |      |
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56-34-4-20/60

AUTHORS:

Chavchanidze, V. V., Shaduri, R. S., Kunsishvili, V. A.

TITLE:

The Calculation of the Electron-Photon Cascade in Lead by the Monte Carlo Method (Raschet metodom Monte-Karlo elektronno-

-fotonnogo kaskada v svintse)

PERIODICAL:

Zhurnal eksperimental noy i teoreticheskoy fiziki, 1958,

Vol. 34, Nr 4, pp. 912 - 915 (USSR)

ABSTRACT:

This work describes the statistical probability molding based on the method of random trials (a modification of the method by Monte Carlo). This work only describes the scheme of the calculation of the cascade omitting details. The range of the γ-quantum in lead until the first process of interaction is "drawn". The "drawing" is made for the integral curve of the dependence of the total cross section on the energy of the quantum. Then the "fate" of the γ-quantum is drawn. In the case of pair production the energy of the positron is drawn and from it then the energy of the electron is ascertained. Subsequently the amounts of the ionization losses and thus also of the energy of the components of the pair before the following

Card 1/4

The Calculation of the Electron-Photon Cascade in Lead 56-34-4-20/60 by the Monte Carlo Method

collisions are determined. Simultaneously also the correction for the multiple scattering is "drawn". The energy of the bremsstrahlung quantum was ascertained by the method of the construction of non-normalized integral curves with unequal argument scales. The scattering angles were "drawn" without consideration of the correlation between the scattering angles of the quantum of the electron. In the case of destruction the scattering angle of the one y-quantum in the center of mass system is "drawn". From the data obtained by this also the scattering angle of the second quantum is ascertained. The results thus obtained are plotted in form of curves for the energy distribution and for the angular distribution of the electrons, positrons, and y-quanta (as functions of the generating angle of the observation cone). The computation of the electron-photon cascade is unusually long. For the factual performance of the computations electronic high-speed computers are necessary. The existing machines need not be rebuilt at all but a correspondingly performed programming is sufficient. Here 2 of such programming methods are shortly described. It is a particularity

Card 2/4

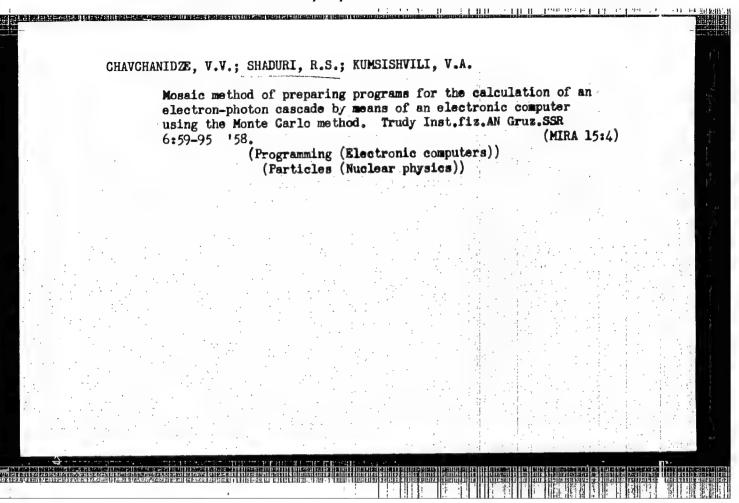
The Calculation of the Electron-Photon Cascade in Lead 56-34-4-20/60 by the Monte Carlo Method

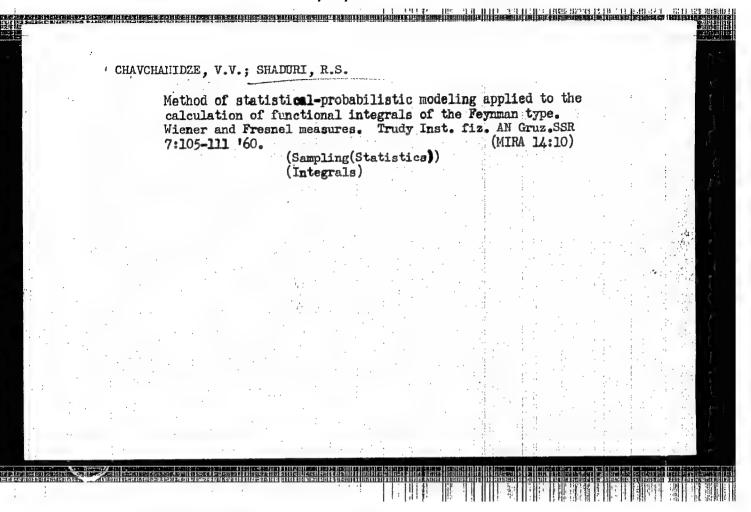
of the first method that in the constant memory the arguments of the given probability functions are stored in a certain order. The second programming method allows the introduction of these functions into the storing device. According to the opinion of the authors the whole efficiency of the calculations by the method of random trials shows up only in case of the application of electronic computers and in case of adapted programming. The authors thank A. V. Tagviashvili, B. I. Bondarevich, L. L. Esakiya, G. A. Goradze, M. Ye. Perel'man, G. A. Almanov for their participation in the practical performance of the computations. This work was performed on the suggestion by Professor V. P. Dzhelepov in connection with the necessary estimation of the probability of the non-emission of electrons and positrons from lead plates of little thickness. The authors thank Professor Dzhelepov and his collaborators for his attentiveness and his interest in this work. There are 3 figures and 7 references, 4 of which are Soviet.

Card 3/4

The Calculation of the Electron-Photon Cascade in Lead 56-34-4-20/60 by the Monte Carlo Method
ASSOCIATION: Institut finiti Akademii nauk Gruzinskoy SSR (Institute of Physics AS, Georgian SSR)
SUBMITTED: September 23, 1957

1. Lead-Nuclear reactions





SHADURI, Vano Semenovich

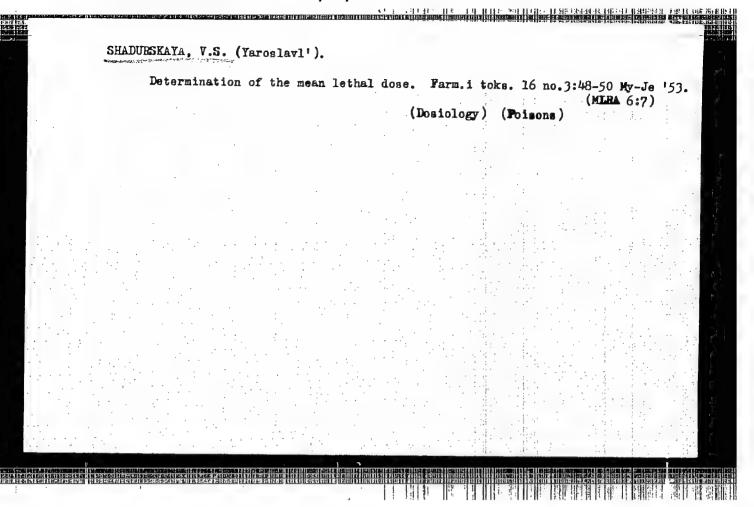
SHADURI, Vano Semenovich

SHADURI, Vano Semenovich

(Tbilisi State U. imeni Stalin) - Academic degree of Doctor of Phililogical Sceinces, based on his defense, 2 June 1955, in the Council of the Inst of Russian Literature (Pushkin House) Acad Sci USSR, of his dissertation entitled "Decabrist literature and Georgia."

For the Academic Degree of Doctor of Sciences

EO: Byulleten' Ministerstva Vyshego Obrazovaniya SSSR, List No. 2, 21 January 1956, Decisions of the Higher Certification Commission concerning academic degrees and titles.



"On Poisonous Chemicals Used in Agriculture," by M. S. Irger, V. S. Shadurskaya, and G. I. Pashkovskaya, Zdravookhraneniye Belorussii, 1956, 3, pp 49-51 (from Sovetskoye Meditsinskoye Referativnoye Obozreniye, Zdravookhraneniye, Gigiyena 1 Sanitariya, Istoriya Meditsiny, Moscow, No 20, 1956, abstract by O. Mogilevskaya, pp 61)

"Authors review in brief the toxicological characteristics of the following poisonous chemicals being used at the present time in agriculture: protars (preparation P. D.); preparation A. B.; formalin; granozan (preparation NIUIF-2); mercuran (mixture of granozan and hexachlorane); DDT; hexachlorane; and preparation NIUIF-100 (thiophos). All poisonous chemicals should be applied only under supervision of medical personnel. It is essential that processing machines PSP-0.5 and PU-1, dusting machines, sprayers, and means for the protection of the individual workers handling the poisonous chemicals be used. Poisonous chemicals should not be stored in general warehouses. Sanitary-educational work among personnel coming in contact with the poisonous chemicals is necessary." (U)

[Comment (UNCLASSIFIED): Protars (preparation P. D. is a gray powder, a mixture of Calcium arsenite with talc containing not less than 10 percent of As<sub>2</sub>O<sub>3</sub>. A. B. preparation is a mixture of copper sulfate and carbonate salts containing 15 to 16 percent of copper.]

51,4JUR SKAYA, V.S.

137-58-2-4459

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 2, p 308 (USSR)

AUTHORS:

Shadurskaya, V.S., Irger, N.S., Pashkovskaya, G.I.

TITLE:

The Protection of Health During Electric Arc Welding at the Machine-building Plants of the Belorussian Soviet Socialist Republic (K voprosu ozdorovleniya usloviy truda pri provedenii elektrosvarochnykh rabot na mashinostroitel nykh zavodakh

BSSR)

PERIODICAL: Zdravookhr. Belorussii, 1957, Nr 7, pp 62-64

ABSTRACT:

Investigation has revealed that the air in the vicinity of welders (and being breathed by them), and even at places remote from the welding, is being polluted by MnO, Co, and other substances in concentrations exceeding the permissible maximum. It is pointed out that such pollutants, especially Mn, can have lasting toxic effects. Most harmful to health are considered to be the electrodes TsM-7 and MEZ-K--less harmful, OMM-5 be the electrodes TsM-7 and MEZ-K--less harmful, of and the grades from 4 to 55. Measures recommended to safe guard health are: proper ventilation, adequate insulation of potentially harmful processes, use of the least toxic electrode types, introduction of automatic and semiautomatic flux-

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| The  | Protection                   | of Healti | h (cont. | . ) . |        |        |        | :      |                   | 8-2-4459  |    |
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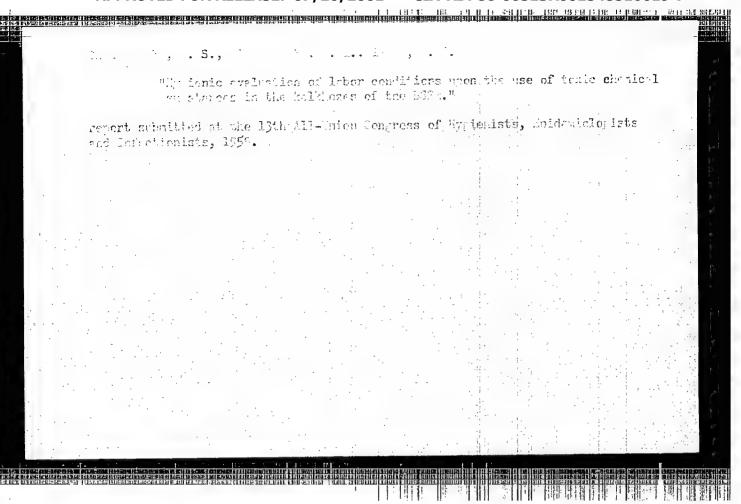
#### "APPROVED FOR RELEASE: 07/20/2001

#### CIA-RDP86-00513R001548510019-7

- SHADURSKAYA, V.S., PASHKOVSKAYA, G.I.

Accident in a telephone calbe manhole. Gig. i san. 23 no.8:76 Ag '58 (MIRA 11:9)

1. Is Belorusekogo sanitarnogo instituta. (CARBON MONOXIDB.-TOXICOLOGY)



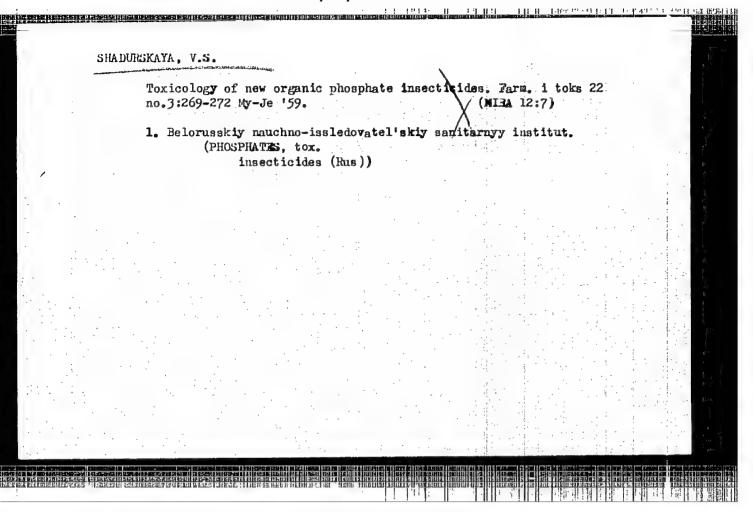
SHADURSKAYA, V.S.; IRGER, N.S.; PASHKOVSKAYA, G.I.

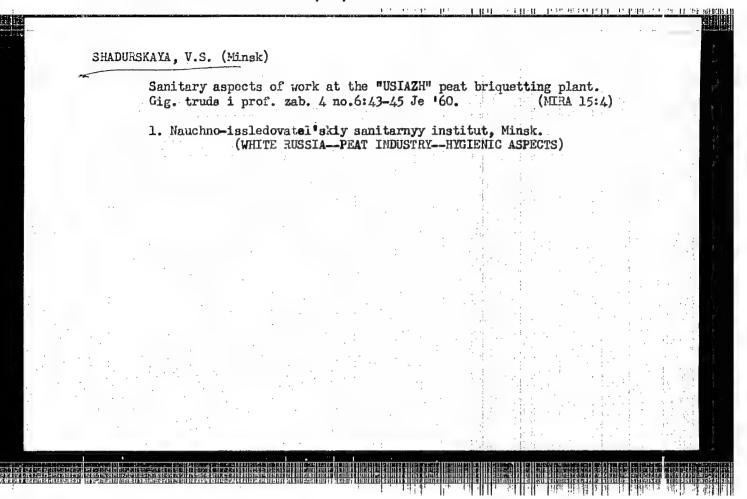
Improvement of working conditions in mercury laboratories. Zdrav.

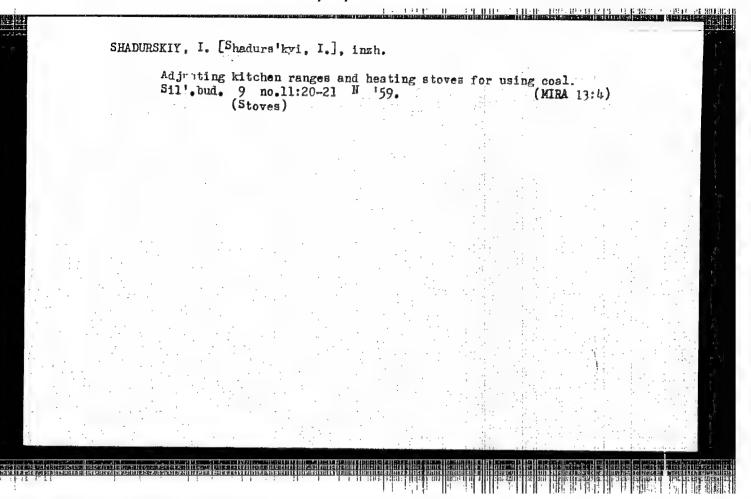
Belor 5 no.2:44-45 F 159. (MIRA 12:7)

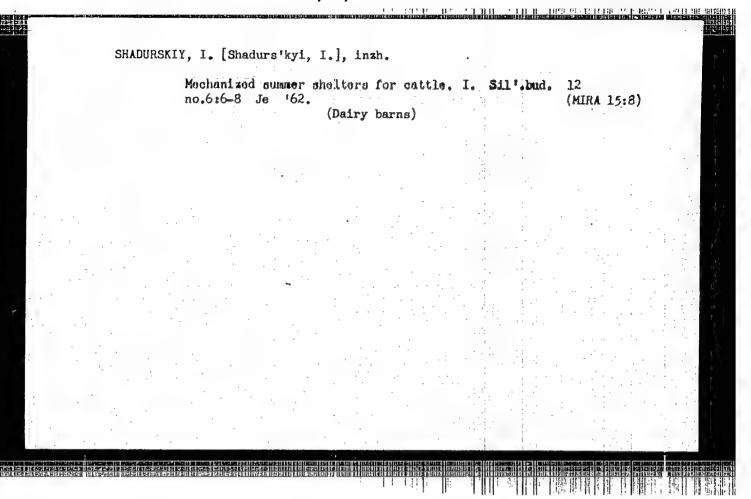
1. Belorusskiy nauchno-issledovatel'skiy sanitarnyy institut.

(SMOLEVICHI--MERCURI--TOXICOLOGY)









### "APPROVED FOR RELEASE: 07/20/2001

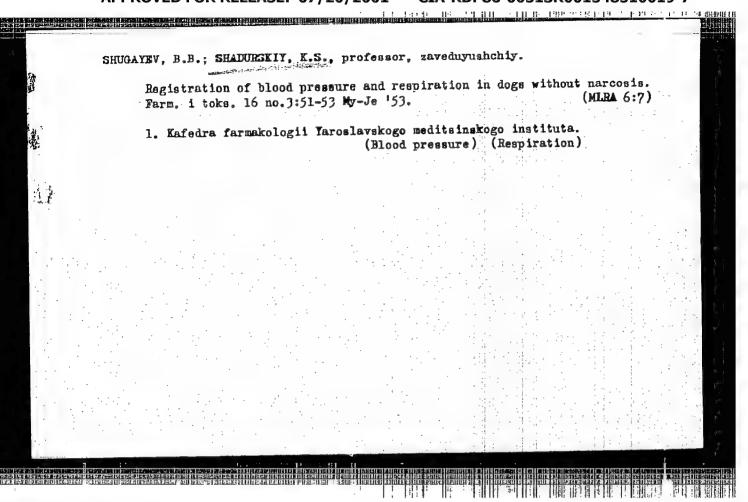
#### CIA-RDP86-00513R001548510019-7

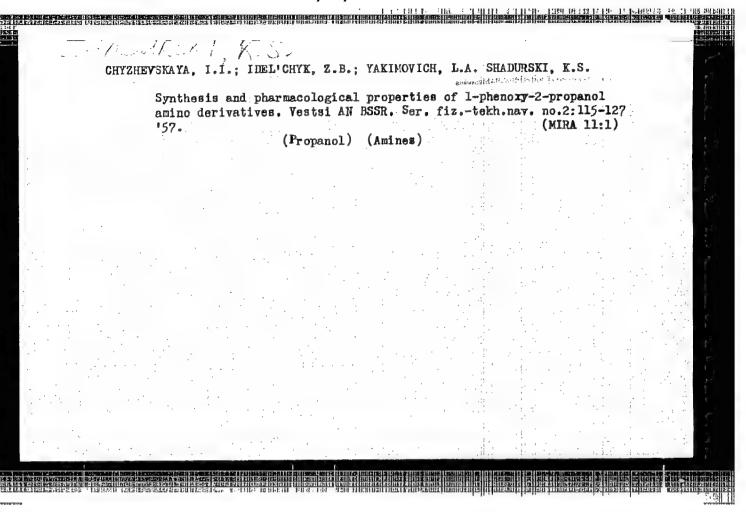
| AUTHOR: Zhukov, S. A.; Shadskiy, I. A.; Zhukov, N. D.  TITLE: Strength of certain alloys at high frequencies  SOURCE: Ref. zh. Vozdushnyy transport, Abs. 1A72  REF SOURCE: Tr. Kuybyshevsk. aviats. in-t, vyp. 19, 1965, 399-404  TOPIC TAGS: fatigue strength, alloy, fatigue test, metal. Clade, professe & & ADE  ABSTRACT: The study concerned effects of high frequency variable loads on fatigue and resonance setup, using an electromagnetic system to excite oscillations from 200 to 2400 cps. Test temperature varied from room temperature to 550C. It was established that the fatigue limit improves for all (tested materials as the loading frequency to increases. Best improvement in fatigue limit was noted for alloy VT3-1. [Translation of abstract] 4 illustrations and bibliography of 3 titles. V. Ivanova  SUB CODE: 11,01 |      | L 07501-67 EWP(k)/EWT(d)/EWT(n)/EWP(w)/EWP(v)/EWP(t)/ETI IJP(c) EM/JD ACC NR: AR6017329 SOURCE CODE: UR/0264/66/000/001/A013/A013                                      |  |
|---|------|--|--|
| SOURCE: Ref. zh. Vozdushnyy transport, Abs. 1A72  REF SOURCE: Tr. Kuybyshevsk. aviats. in-t, vyp. 19, 1965, 399-404  TOPIC TAGS: fatigue strength, alloy, fatigue test, netal character, properties of high frequency variable loads on fatigue of the limit of blade materials (SAP, VT3-1, E1961 and E1617). Fatigue tests employed a resonance setup, using an electromagnetic system to excite oscillations from 200 to 2400 cps. Test temperature varied from room temperature to 550C. It was established that the fatigue limit improves for all tested materials as the loading frequency to increases. Best improvement in fatigue limit was noted for alloy VT3-1. [Translation of abstract] 4 illustrations and bibliography of 3 titles. V. Ivanova  SUB CODE: 11,01  |      | AUTHOR: Zhukov, S. A.; Shadskiy, I. A.; Zhukov, N. D.  |  |
| REF SOURCE: Tr. Kuybyshevsk. aviats. in-t, vyp. 19, 1965, 399-404  TOPIC TAGS: fatigue strength, alloy, fatigue test, metal. Glade, professed alloy.  ABSTRACT: The study concerned effects of high frequency variable loads on fatigue of limit of blade materials (SAP, VT3-1, E1961 and E1617)! Fatigue tests employed a resonance setup, using an electromagnetic system to excite oscillations from 200 to 2400 cps. Test temperature varied from room temperature to 550C. It was established that the fatigue limit improves for all/tested materials as the loading frequency loincreases. Best improvement in fatigue limit was noted for alloy VT3-1. [Translation of abstract] 4 illustrations and bibliography of 3 titles. V. Ivanova  SUB CODE: 11,01   |      | TITLE: Strength of certain alloys at high frequencies  |  |
| TOPIC TAGS: fatigue strength, alloy, fatigue test, metal. Glade, PROPELLER  ABSTRACT: The study concerned effects of high frequency variable loads on fatigue AW limit of blade materials (SAP, VT3-1, E1961 and E1617). Fatigue tests employed a resonance setup, using an electromagnetic system to excite oscillations from 200 to 2400 cps. Test temperature varied from room temperature to 550C. It was established that the fatigue limit improves for all tested materials as the loading frequency 10 increases. Best improvement in fatigue limit was noted for alloy VT3-1. [Translation of abstract] 4 illustrations and bibliography of 3 titles. V. Ivanova  SUB CODE: 11,01  |      | SOURCE: Ref. zh. Vozdushnyy transport, Abs. 1A72   |  |
| ABSTRACT: The study concerned reffects of high frequency variable loads on fatigue QW limit of blade materials (SAP, VT3-1, E1961 and E1617)! Fatigue tests employed a resonance setup, using an electromagnetic system to excite oscillations from 200 to 2400 cps. Test temperature varied from room temperature to 550C. It was established that the fatigue limit improves for all tested materials as the loading frequency 10 increases. Best improvement in fatigue limit was noted for alloy VT3-1. [Translation of abstract] 4 illustrations and bibliography of 3 titles. V. Ivanova  SUB CODE: 11,01   |      | REF SOURCE: Tr. Kuybyshevsk. aviats. in-t, vyp. 19, 1965, 399-404  |  |
| 2400 cps. Test temperature varied from room temperature to 550C. It was established that the fatigue limit improves for all tested materials as the loading frequency vincreases. Best improvement in fatigue limit was noted for alloy VT3-1. [Translation of abstract] 4 illustrations and bibliography of 3 titles. V. Ivanova  SUB CODE: 11,01  |      | TOPIC TAGS: fatigue strength, alloy, fatigue test, METAL GLADE, PROPELLER  |  |
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|   |      | or abstract; 4 illustrations and bibliography of 3 titles. V. Ivanova  |  |
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| UDC: 620.1  |      |  | E 0.3  |
|   |      | UDC: 620.1   |  |
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SHADURSKTY, K.S. Dr. Med. Sci.

Dissertation: "Pharmocological Properties of Camphor as a Complex of Substances."
First Moscow Order of Lenin Medical Inst. 29 Sep 17.

SO: Vechernyaya Moskva, Sep, 1947 (Project #17836)





CHILDREN'S DISEASES

"Pr3 blems of Pharmacology in Children's Infectious Diseases", by Prcfessor K.S. Shadurskiy, Zdravookhraneniye Belorussii, No 3, March 1957, pp 60-64

The author discusses the side reactions apparent in cases of chemotherapy. In his opinion, sterilization decreases the activity of protective mechanisms and retards the immunobiological action in chemotherapeutical treatment.

A table listing the harmless dosages is presented in the article. The author concludes that the use of chemotherapeutical compounds should only be allowed, according to scientific principles, in cases of children's infectious diseases.

Card 1/1

CHADORORIY, 1 3

- 11 -

OKUN', Lev Savel'yevich; SHADURSKIY, K.S., prof., doktor med.nauk,
APPROVED TOR TREVENSE: 07/20/2004-004-00513R001548510019-7"

[Principles of pharmacology and elements of prescription writing] Osnovy farmakologii s retsepturoi. Pod red. K.S. Shadurskogo. Minsk, Gos.izd-vo BSSR, 1959. 179 p. (MIRA 12:11)

(PHARMACOLOGY)

(PRESCRIPTION WRITING)

TURPAYEV, T.M., red.; SHADURSKIY, K.S., red.

[Summaries of reports] Tezisy dokladov. Moskva, Izd-vo Akad. nauk SSRR. Vol.3. [Broadened abstracts of reports in symposia] Rasshirennye referaty dokladov na simpoziumakh 1959. 226 p. (MIRA 14:11)

1. Vsesoyuznoye obshchestvo fiziologov, biokhimikov i farmakologov.
9. s"yezd.
(NERVOUS SYSTEM) (ENDOCRINOLOGY) (METABOLISM)

SHADURSKIY, K.S.; Prinimali uchastiye: KOMISSAROV, I.V.; PRANKOV, I.A.;
TSAPAYEVA, T.S.. MEREZHINSKIY, M.F., prof., red.; STEPANOVA,
N.P., tekhn.red.

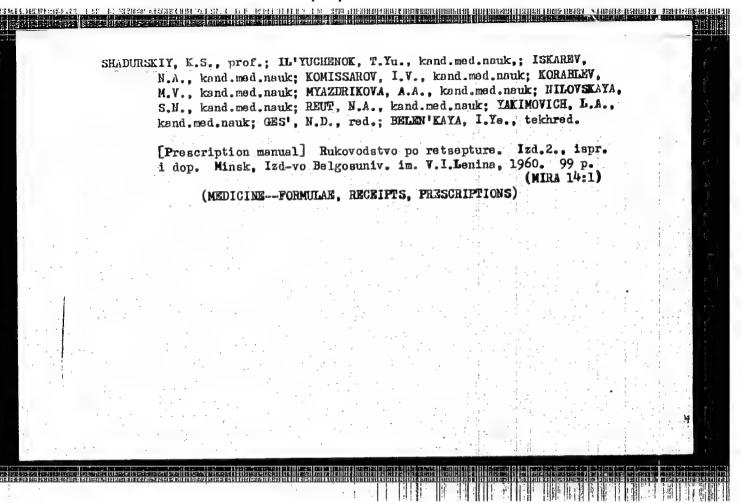
[Pharmacology as a basis for therapy; a manual for physiciana]
Farmakologiia kak osnova terapii; posabie dlia vrachei. Minsk,
Gos.izd-vo BSSR, Red.nauchno-tekhn.lit-ry. Vol.1. [Pharmacology
of the cholinergic processes] Farmakologiia kholinergicheskikh
protsessov. 1959. 315 p. (MIRA 12:9)

(AUTOHOMIC DRUGS)

BULYGIN, I.A., red.; ZAKUSOV, V.V., red.; KAPLANSKIY, S.Ya., red.; MUZY-KANTOV, V.A., red.; TURPAYEV, T.M., red.; CHERKASOVA, L.S., red.; CHERNIGOVSKIY, V.N., red.; SHADURSKIY, K.S., red.; SHIDLOVSKIY, V.A., red.; SHIK, L.L., red.; MUZYKANTOV, V.A., red.; BELEN'KAYA, I.Ye., tekhn. red.

[Summaries of reports] Tezisy dokladov. Moskva, Izd-vo Akad. nauk SSSR. Vol.1. [Abstracts of reports in section meetings; physiology] Tezisy dokladov na sektsionnykh zasedaniiakh; fiziologiia. 1959. 432 p. (MIRA 14:11)

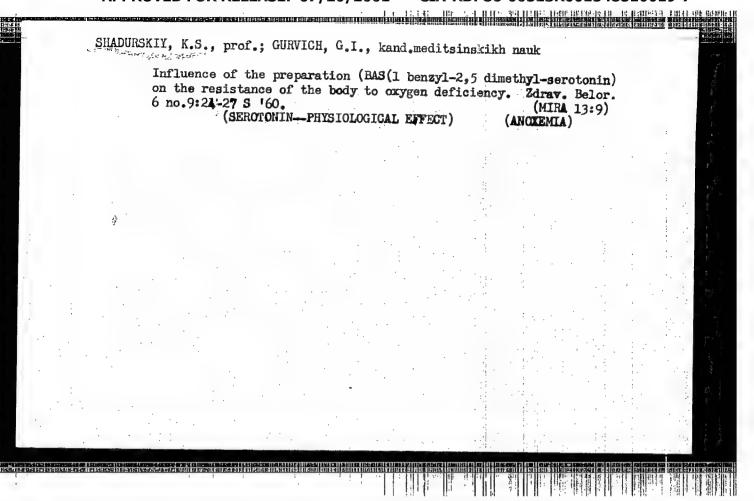
1. Vsesoyuznoye obshchestvo fiziologov, biokhimikov i farmakologov.
9. s"yezd. 2. Kafedra fiziologii Moskovskogo meditsinskogo instituta
im. I.M.Sechenova (for Shidlovskiy).
(PHYSIOLOGICAL SOCIETIES)

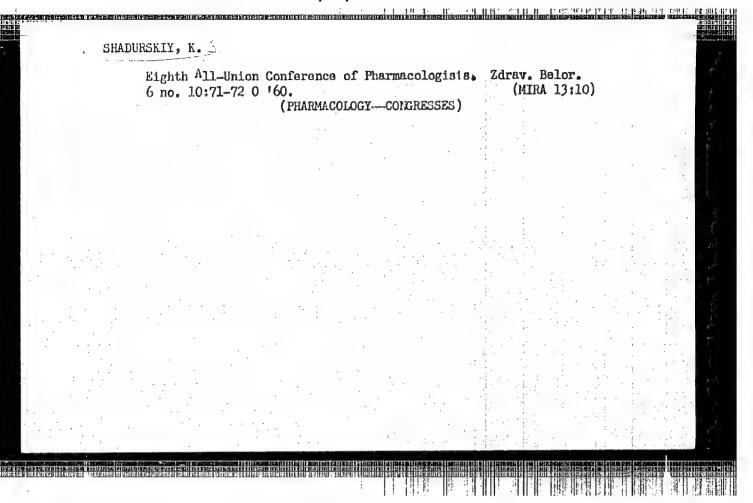


KRYUCHOK, G.R., otv. red.(Minsk); BELYATSKIY, D., red. (Minsk);
SHADURSKIY, K.S., red.; EL'BERT, B.Yn., red.(Minsk)

[Problems of the history of medicine and public health in the White Russian S.S.R.; abstracts of reports at a scientific conference] Voprosy istorii meditsiny i zdravookhraneniia BSSR; tezisy dokladov nauchnoi konferentsii. Minsk, 1960. 109 p.

1. Minsk. Dziarzhauny medytsynski instytut.





SHADURSKIY, Konstantin Stanislavovich; GES', N.D., red.; BELEN'KAYA, I.Ye., tekhn. red.

[Lectures on general pharmacology] Lektsii po obshchei farmakologii. Izd.2., perer. i dop. Minsk, Izd-vo Belgosuniversiteta im, V.I. Lenina, 1961. 106 p. (MIRA 14:7)

(PHARMACOLOGY)

ABRAHOVA, Zh.I., kand. med. nauk; ANICHKOV, S.V., prof.; BELEN'KIY, M.L., prof.; VAL'DHAN, A.V., doktor med. nauk; VEDENEYEVA, Z.I., kand. med. nauk; VINOCRADOV, V.M., kand. med. nauk; GERSHANOVICH, M.L., prof.; GREHENKINA, M.A., dotsent; CREKH, I.F., dots.; DEHISENKO, V.D., kand. med. nauk; D'YACHENKO, P.K., kand. med. nauk; ZHESTYANIKOV, W.D., kand. med. nauk; ZAUGOL'NIKOV, S.D., prof.; ZEYMAL', E.V., kand. KIVMAN, G.Ya., kand. med. nauk; KOZLOV, O.D., kand. med. nauk; KROTOV, prof.; LAPIN, I.P., kand. med. nauk; KUDRIH, A.N., doktor med. nauk; KROTOV, MESHCHERSKAYA, K.A., prof.; MIKHEL'SON, M.Ya., prof.; MOSHKOVSKIY, PERSHIP, G.N., prof.; PADEYSKAYA, Ye.N., kand. med. nauk; PARTEOK, V.P., prof.; POSKALENKO, A.N., kand. med. nauk; MUKHIN, Ye.A., dots.; SALYAMON, L.S., kand. med. nauk; SAFRAZBEKYAH, Ye.A., dots.; SALYAMON, L.S., kand. med. nauk; SAFRAZBEKYAH, R.R., kand. biol. nauk; G.I., kand. med. nauk; FRUYENTOV, N.K., kand. med. nauk; KHAUNINA, R.A., kand. med. nauk; TSYGANOV, S.V., prof.[deceased]; CHERKES, A.I., prof.; kand. med. nauk; TSYGANOV, S.V., prof.[deceased]; CHERKES, A.I., prof.;

(Continued on next card)

## "APPROVED FOR RELEASE: 07/20/2001 CIA-

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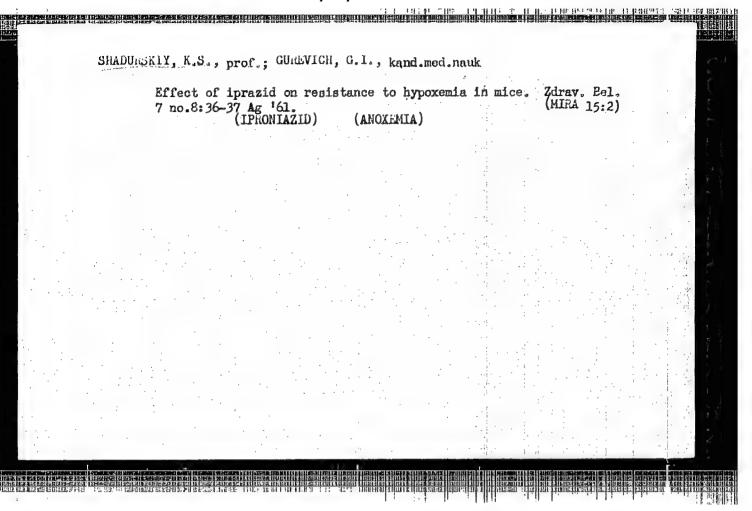
ABRAMOVA, Zh.I..—(continued) Card 2.

GHERIOV, V.A., doktor med. nauk; SHADWISKIY, K.S., prof.;
YAKOVLEV, V.Ya., doktor khim. nauk; MASHKOVSKIY, M.D., red.;
NIKCLAYEVA, M.M., red.; RULEVA, M.S., tekhn. red.; CHUHAYEVA,
Z.V., tekhn. red.

[Manual on pharmacology] Rukovodstvo po farmakologii. Leningrad,
Medgiz. Vol.2. 1961. 503 p. (MIRA 15:1)

1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for
Anichkov, Karasik, Cherkes). 2. Chlen-korrespondent Akademii meditteinskikh nauk SSSR (for Belen'kiy, Ginetsinskiy, Moshkovskiy,
Planel'yes).

(PHAHMACOLOGY)



S/0000/63/000/000/0143/0146

ACCESSION NR: AT4042672

AUTHOR: Gurvich, G. I.; Shadurskiy, K. S.

TITLE: Increasing the resistance of the organism to oxygen deficency with the help of pharmaceuticals

SOURCE: Konferentsiya po aviatsionnoy i kosmicheskoy meditsine, 1963. Aviatsionnaya i kosmicheskaya meditsina (Aviation and space medicine); materialy\* konferentsii. Moscow, 1963, 143-146

TOPIC TAGS: hypoxia, pharmacological protection, guinea pig, rat, mouse, indole, iprazid, serotonin, hypoxia resistance/BAS

ABSTRACT: The influence of some pharmacological agents on resistance to hypoxia was investigated using guinea pigs, mice, and rats divided into experimental and control groups, Pharmaceuticals tested were "BAS" (1-benzil, 2.5 dimethylserotonin), indoles (I, IV, XXIV), iprazid, and serotonin. A combination of iprazid and serotonin was also tested. Experiments were conducted in a pressure chamber at a simulated altitude of 11,000 meters. Intramuscular Card 1/2

ACCESSION NR: AT4042672

injections of serotonin greatly increased the resistance of guinea pigs, mice, and rats to hypoxia. Iprazid injected intraperitioneally increased resistance to hypoxia in mice especially when it was administered several days before the investigation. The combined use of iprazid and serotonin was similarly effective when iprazid was admistered 2--7 days prior to hypoxic conditions. "BAS" administered orally increased the resistance of rats and mice to hypoxia even on the first day. Animals continued to show resistance to hypoxia 10 days after the final dose of "BAS." A study of the effects of indoles on mice indicated that increased resistance to hypoxia was a function of the time and dose of preparations. The authors conclude that the results of the investigation merit a more intensive search for agents which increase resistance to hypoxia.

ASSOCIATION: none

SUBMITTED: 27Sep63 ENCL: 00 SUB CODE:

NO REF SOV: 000

Card 2/2

OTHER: 000

VINOGRADOVA, Ye.V.; GRINEV, A.N.; DANUSEVICH, I.K.; DZIK, M.F.; DUBOVIK, B.V.;

ZAKHAREVSKIY, A.S.; IL'YUCHENOK, T.Yu.; KOST, A.N.; MARTINOVICH, G.I.;

MIKLEVICH, A.V.; PIL'TIYENKO, L.F.; RACHKOVSKAYA, I.V.; REUT, N.A.;

TALAPIN, V.I.; TAMARINA, N.Z.; TERENT'YEV, A.P.; SHADURSKIY, K.S.

Research on pharmacological agents with prolonged hypotensive action. Vest. AMN S SSR 18 no.1:69-86 '63. (MIRA 16:2)

1. Laboratoriya spetsial'nogo organicheskogo sinteza khimicheskogo fakul'teta Moskovskogo gosudarstvennogo universiteta imeni Lomonosova i kafedra farmakologii Minskogo meditsinskogo instituta.

(HYPOTENSION) (INDOLE)

L 14150-66 EWT(m)

ACC NR: AP6001319

SOURCE CODE: UR/0248/65/000/009/0055/0058

AUTHOR: Grinev, A. N.; Il'yuchenok, T. Yu.; Lepekhin, V. P.; Shadurskiy, K. S.

ORG: <u>Institute of Medical Radiology</u>, <u>AMN SSSR</u>, <u>Obninsk</u> (Institut meditsinskoy radiologii AMN SSSR)

TITLE: Loss of hypotensive activity by 5-hydroxyindole derivatives in <u>irradiated</u> animals

SOURCE: AMN SSSR. Vestnik, no. 9, 1965, 55-58

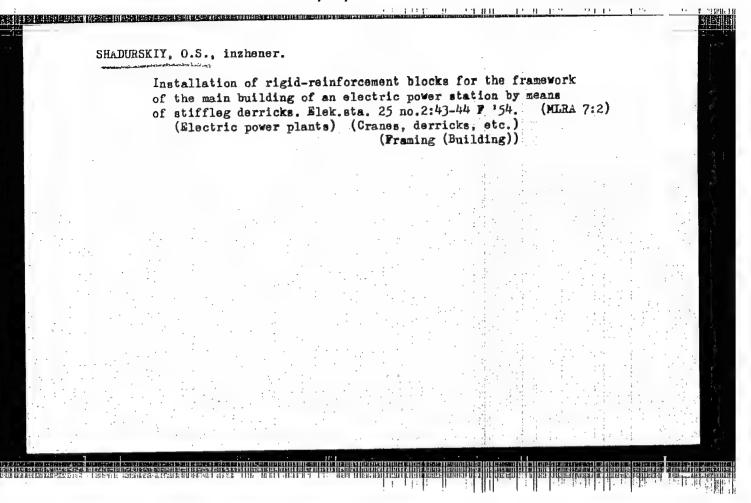
TOPIC TAGS: serotonin, radiation drug, radioprotective agent

ABSTRACT: A hypotension lasting from 32 to 77 days following administration of eighteen indole derivatives was established in rats of the August strain. Preliminary exposure of the animals to 300 or 600 rads of external radiation altered the hypotensive effect of the drugs considerably. A 300 rad dose increased the latent period, i. e., the time that hypotension set in, and shortened the duration of the effect of compound ORF-50. The hypotensive effect was induced after a 600 rad dose, and the blood pressure remained steady and within normal limits. The blood pres-

UDC: 615.7-092.259 : 617-001.28

Card 1/2

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AID P - 1387

Subject : USSR/Electricity

Card 1/1 Pub. 26 - 14/30

SHHE MIKKLY

Authors : Shadurskiy, O. S., Eng., and Yakobson, E. V., Eng.

Title : Large block mounting of the metallic structures

of a cooling tower

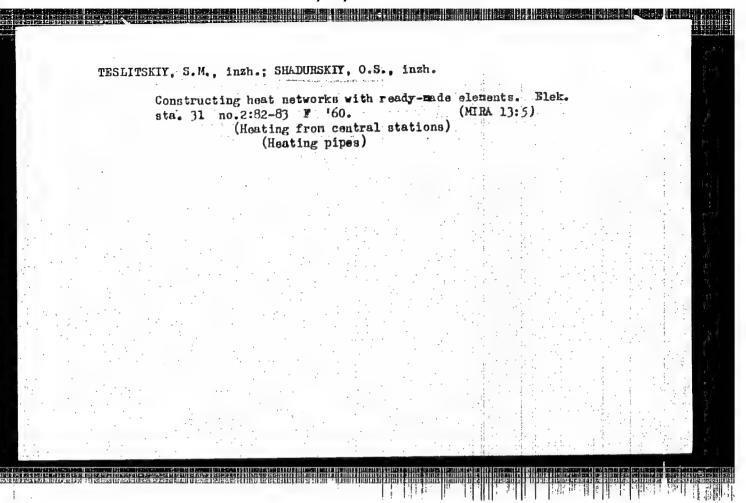
Periodical: Elek. Sta., 2, 43-44, F 1955

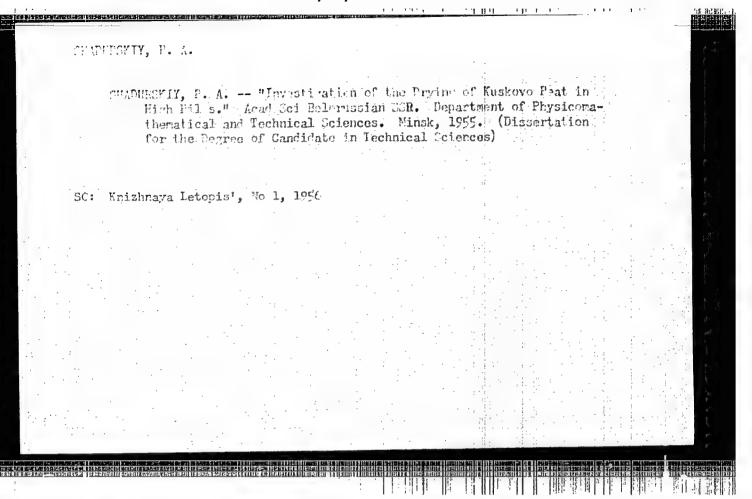
Abstract : The authors describe and illustrate the method

applied. 2 drawings, 3 photographs

Institution: None

Submitted : No date





ANISOVICH, A.I., inzh.: SHADURSKIY, P.A., kand.tekhn.nauk

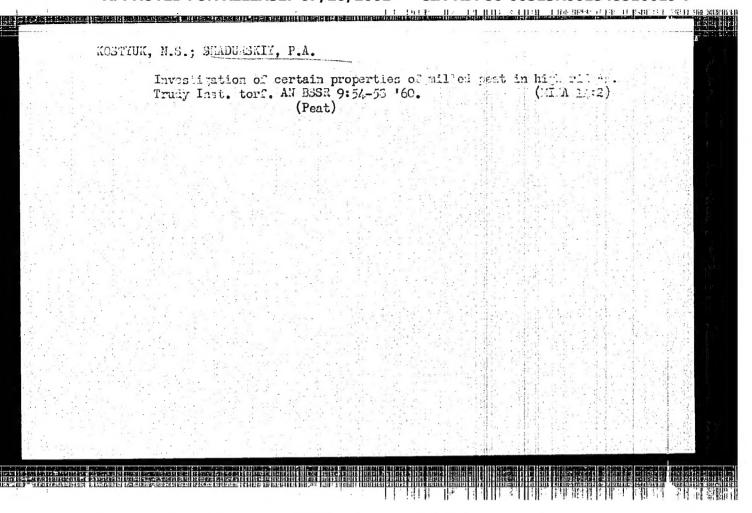
Working a peat deposit by the excavator method without leaving
strips between the sections. Torf. prom. 35 no.3:30-31 '58.

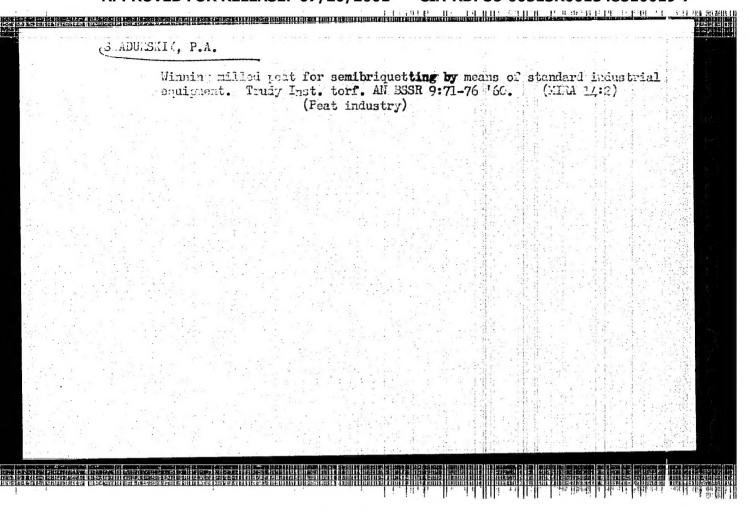
(MIRA 11:5)

1.Belorusskiy gosudarstvennyy institut po proyektirovaniyu savodov
torfyanoy promyshlennosti (for Anisovich). 2.Institut torfa AM

BSSR (for Shadurskiy).

(Peat)





AKSENOV, Ye.; VASIL:YEV, A.; NIKIFOROV, V.; PIMENOV, M.; SHADURSKIY, P.

"Peat semibriquet" by [inzh.] D.I.Shukhman. Reviewed by E.Aksenov and others. Torf.prom. 39 no.329-40 .62. (MIRA 15:4)
(Briquets (Fuel)) (Shukhman, D.I.)

